

WEST Search History

DATE: Monday, October 01, 2007

| Hide? | Set Name | Query | Hit Count |
|--|----------|--|-----------|
| <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i> | | | |
| <input type="checkbox"/> | L15 | L12 and ((automatic\$4) same (optimum or optimiz\$3 or optimization or ideal or ideally or optimal\$2)) | 4 |
| <input type="checkbox"/> | L14 | L12 and (automatic\$4) | 7 |
| <input type="checkbox"/> | L13 | L12 and ("RFOV" or "R field-of-view" or "R field of view") | 0 |
| <input type="checkbox"/> | L12 | L11 and ("RFOV" or "R field-of-view" or "R field of view" or "R") | 16 |
| <input type="checkbox"/> | L11 | L10 and ((target or region or area or zone or volume) with (interest or investigation) or "ROI" or "voi" or "FOV" or "field-of-view" or "field of view") | 21 |
| <input type="checkbox"/> | L10 | L9 and (optimum or optimiz\$3 or optimization or ideal or ideally or optimal\$2) | 22 |
| <input type="checkbox"/> | L9 | L8 and ((reference or initial or preliminary or preparatory or perparation or "pre" or primary) with (scan\$4 ir imag\$3 or sequence or run or trial)) | 26 |
| <input type="checkbox"/> | L8 | L7 and (encod\$3) | 131 |
| <input type="checkbox"/> | L7 | L6 and ("snr" or (signal with noise) or noise or noisy) | 151 |
| <input type="checkbox"/> | L6 | L5 and (phas\$3) | 171 |
| <input type="checkbox"/> | L5 | L4 and ((sense or sensitivity or sensitive) with (coil or antenna or winding or probe) with ((voxel or pixel or (picture or volume) with element))) | 200 |
| <input type="checkbox"/> | L4 | L3 and ((voxel or pixel or (picture or volume) with element)) | 5439 |
| <input type="checkbox"/> | L3 | L2 and (sense or sensitivity or sensitive) | 42088 |
| <input type="checkbox"/> | L2 | L1 and (coil or antenna or winding or probe) | 72736 |
| <input type="checkbox"/> | L1 | ((magnetic adj resonan\$2) or MRI or NMR) | 261453 |

END OF SEARCH HISTORY

Hit List

[First Hit](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 1 through 21 of 21 returned.

1. Document ID: US 20060208731 A1

L11: Entry 1 of 21

File: PGPB

Sep 21, 2006

PGPUB-DOCUMENT-NUMBER: 20060208731

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060208731 A1

TITLE: Magnetic resonance parallel imaging method with K-space sensitivity encoding

PUBLICATION-DATE: September 21, 2006

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|----------------|----------|-------|---------|
| Wang; Jian Min | Shenzhen | | CN |
| Zhang; Bida | Shenzhen | | CN |

US-CL-CURRENT: 324/309; 324/307[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Draw Desc](#) [Image](#)

2. Document ID: US 20050100202 A1

L11: Entry 2 of 21

File: PGPB

May 12, 2005

PGPUB-DOCUMENT-NUMBER: 20050100202

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050100202 A1

TITLE: Method for generating fast magnetic resonance images

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|-------------|-------------|-------|---------|
| Huang, Feng | Gainesville | FL | US |

US-CL-CURRENT: 382/128[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Draw Desc](#) [Image](#)

3. Document ID: US 20050033154 A1

L11: Entry 3 of 21

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050033154

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050033154 A1

TITLE: Methods for measurement of magnetic resonance signal perturbations

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

| | | | |
|-------------------------------|---------|-------|---------|
| NAME | CITY | STATE | COUNTRY |
| deCharms, Richard Christopher | Montara | CA | US |

US-CL-CURRENT: 600/410

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|

 4. Document ID: US 20040155652 A1

L11: Entry 4 of 21

File: PGPB

Aug 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040155652

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040155652 A1

TITLE: Parallel magnetic resonance imaging techniques using radiofrequency coil arrays

PUBLICATION-DATE: August 12, 2004

INVENTOR-INFORMATION:

| | | | |
|----------------------|--------|-------|---------|
| NAME | CITY | STATE | COUNTRY |
| Sodickson, Daniel K. | Newton | MA | US |

US-CL-CURRENT: 324/307; 324/309

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|

 5. Document ID: US 20040070394 A1

L11: Entry 5 of 21

File: PGPB

Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040070394

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040070394 A1

TITLE: Parallel mr imaging using high-precision coil sensitivity map

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

| | | | |
|----------------------------------|----------|-------|---------|
| NAME | CITY | STATE | COUNTRY |
| Gonzalez Ballester, Miguel Angel | Nice | | FR |
| Machida, Yoshio | Nasu-Gun | | JP |

US-CL-CURRENT: 324/307; 324/309

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KOMC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|

6. Document ID: US 20030055330 A1

L11: Entry 6 of 21

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030055330

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030055330 A1

TITLE: Sensitivity encoding MRI acquisition method

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|------------|-------|---------|
| King, Kevin F. | New Berlin | WI | US |
| Angelos, Lisa C. | Hartland | WI | US |

US-CL-CURRENT: 600/410; 702/28

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KOMC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|

7. Document ID: US 20020158632 A1

L11: Entry 7 of 21

File: PGPB

Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020158632

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020158632 A1

TITLE: Parallel magnetic resonance imaging techniques using radiofrequency coil arrays

PUBLICATION-DATE: October 31, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|-------------------------------|-----------|-------|---------|
| Sodickson MD Ph.D., Daniel K. | Cambridge | MA | US |

US-CL-CURRENT: 324/307; 324/309, 324/318

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KOMC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|

8. Document ID: US 20020039024 A1

L11: Entry 8 of 21

File: PGPB

Apr 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020039024

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020039024 A1

TITLE: Magnetic resonance imaging method with sub-sampled acquisition

PUBLICATION-DATE: April 4, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|--|-------------|-------|---------|
| Fuderer, Miha | Eindhoven | | NL |
| Van Den Brink, Johan Samuel | Eindhoven | | NL |
| Jurriissen, Michel Paul Jurriaan | Eindhoven | | NL |
| Van Muiswinkel, Arianne Margarethe Corinne | Eindhoven | | NL |
| Katscher, Ulrich | Norderstedt | | DE |

US-CL-CURRENT: 324/307; 324/309

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|------------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Drawn Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|------------|-------|

 9. Document ID: US 7202666 B2

L11: Entry 9 of 21

File: USPT

Apr 10, 2007

US-PAT-NO: 7202666

DOCUMENT-IDENTIFIER: US 7202666 B2

TITLE: Magnetic resonance parallel imaging method with K-space sensitivity encoding

DATE-ISSUED: April 10, 2007

PRIOR-PUBLICATION:

| | |
|-------------------|--------------------|
| DOC-ID | DATE |
| US 20060208731 A1 | September 21, 2006 |

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|----------|-------|----------|---------|
| Wang; Jian Min | Shenzhen | | | CN |
| Zhang; Bida | Shenzhen | | | CN |

US-CL-CURRENT: 324/309; 324/318

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|------------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Drawn Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|------------|-------|

 10. Document ID: US 7202663 B2

L11: Entry 10 of 21

File: USPT

Apr 10, 2007

US-PAT-NO: 7202663

DOCUMENT-IDENTIFIER: US 7202663 B2

TITLE: Method for generating fast magnetic resonance images

DATE-ISSUED: April 10, 2007

PRIOR-PUBLICATION:

| | |
|-------------------|--------------|
| DOC-ID | DATE |
| US 20050100202 A1 | May 12, 2005 |

INVENTOR-INFORMATION:

| | | | | |
|-------------|-------------|-------|----------|---------|
| NAME | CITY | STATE | ZIP CODE | COUNTRY |
| Huang; Feng | Gainesville | FL | | US |

US-CL-CURRENT: 324/307; 324/309

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-------|-------|--------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Image | Image | Claims | KWIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-------|-------|--------|------|-----------|-------|

 11. Document ID: US 7197353 B2

L11: Entry 11 of 21

File: USPT

Mar 27, 2007

US-PAT-NO: 7197353

DOCUMENT-IDENTIFIER: US 7197353 B2

TITLE: Sensitivity encoding MRI acquisition method

DATE-ISSUED: March 27, 2007

PRIOR-PUBLICATION:

| | |
|-------------------|----------------|
| DOC-ID | DATE |
| US 20030055330 A1 | March 20, 2003 |

INVENTOR-INFORMATION:

| | | | | |
|------------------|------------|-------|----------|---------|
| NAME | CITY | STATE | ZIP CODE | COUNTRY |
| King; Kevin F. | New Berlin | WI | | US |
| Angelos; Lisa C. | Hartland | WI | | US |

US-CL-CURRENT: 600/410; 324/306, 324/307, 324/309, 324/314, 324/318, 324/322, 600/407, 600/421, 600/422

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-------|-------|--------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Image | Image | Claims | KWIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-------|-------|--------|------|-----------|-------|

 12. Document ID: US 6965232 B2

L11: Entry 12 of 21

File: USPT

Nov 15, 2005

US-PAT-NO: 6965232

DOCUMENT-IDENTIFIER: US 6965232 B2

TITLE: Parallel magnetic resonance imaging techniques using radiofrequency coil arrays

DATE-ISSUED: November 15, 2005

INVENTOR-INFORMATION:

| | | | | |
|----------------------|--------|-------|----------|---------|
| NAME | CITY | STATE | ZIP CODE | COUNTRY |
| Sodickson; Daniel K. | Newton | MA | | |

US-CL-CURRENT: 324/307; 324/309, 324/318, 600/410

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-------|-------|--------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Image | Image | Claims | KWIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-------|-------|--------|------|-----------|-------|

13. Document ID: US 6949928 B2

L11: Entry 13 of 21

File: USPT

Sep 27, 2005

US-PAT-NO: 6949928

DOCUMENT-IDENTIFIER: US 6949928 B2

TITLE: Parallel MR imaging using high-precision coil sensitivity map

DATE-ISSUED: September 27, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------------------|---------|-------|----------|---------|
| Gonzalez Ballester; Miguel Angel | Nice | | | FR |
| Machida; Yoshio | Tochigi | | | JP |

US-CL-CURRENT: 324/307; 324/309, 324/318

| | | | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--|--|--------|------|------------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | | | Claims | KOMC | Drawn Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--|--|--------|------|------------|-------|

 14. Document ID: US 6717406 B2

L11: Entry 14 of 21

File: USPT

Apr 6, 2004

US-PAT-NO: 6717406

DOCUMENT-IDENTIFIER: US 6717406 B2

TITLE: Parallel magnetic resonance imaging techniques using radiofrequency coil arrays

DATE-ISSUED: April 6, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|--------|-------|----------|---------|
| Sodickson; Daniel K. | Newton | MA | | |

US-CL-CURRENT: 324/307; 324/309, 324/318

| | | | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--|--|--------|------|------------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | | | Claims | KOMC | Drawn Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--|--|--------|------|------------|-------|

 15. Document ID: US 6518760 B2

L11: Entry 15 of 21

File: USPT

Feb 11, 2003

US-PAT-NO: 6518760

DOCUMENT-IDENTIFIER: US 6518760 B2

TITLE: Magnetic resonance imaging method with sub-sampled acquisition

DATE-ISSUED: February 11, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------------------|-----------|-------|----------|---------|
| Fuderer; Miha | Eindhoven | | | NL |
| Van Den Brink; Johan Samuel | Eindhoven | | | NL |

| | | |
|--|-------------|----|
| Jurrisen; Michel Paul Jurriaan | Eindhoven | NL |
| Van Muiswinkel; Arianne Margarethe Corinne | Eindhoven | NL |
| Katscher; Ulrich | Norderstedt | DE |

US-CL-CURRENT: 324/307; 324/309, 324/318

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) |  |  | [Claims](#) | [RWMIC](#) | [Drawn Desc](#) | [Image](#)

16. Document ID: US 6326786 B1

L11: Entry 16 of 21

File: USPT

Dec 4, 2001

US-PAT-NO: 6326786

DOCUMENT-IDENTIFIER: US 6326786 B1

TITLE: Magnetic resonance imaging method and apparatus

DATE-ISSUED: December 4, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------------|------------|-------|----------|---------|
| Pruessmann; Klaas P. | Zurich | | | CH |
| Weiger; Markus | Dietikon | | | CH |
| Scheidegger; Markus B. | Bisikon | | | CH |
| Boesiger; Peter | Ennetbaden | | | CH |

US-CL-CURRENT: 324/312; 324/309

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) |  |  | [Claims](#) | [RWMIC](#) | [Drawn Desc](#) | [Image](#)

17. Document ID: US 6289232 B1

L11: Entry 17 of 21

File: USPT

Sep 11, 2001

US-PAT-NO: 6289232

DOCUMENT-IDENTIFIER: US 6289232 B1

TITLE: Coil array autocalibration MR imaging

DATE-ISSUED: September 11, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|-------------------|-------|----------|---------|
| Jakob; Peter M. | Brookline Village | MA | | |
| Sodickson; Daniel K. | Cambridge | MA | | |
| Griswold; Mark | Brookline | MA | | |

US-CL-CURRENT: 600/410; 324/307, 324/309, 324/318, 324/322, 600/422

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) |  |  | [Claims](#) | [RWMIC](#) | [Drawn Desc](#) | [Image](#)

18. Document ID: US 6094591 A

L11: Entry 18 of 21

File: USPT

Jul 25, 2000

US-PAT-NO: 6094591

DOCUMENT-IDENTIFIER: US 6094591 A

TITLE: Measurement of coronary flow reserve with MR oximetry

DATE-ISSUED: July 25, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-------------------------|-------|----------|---------|
| Foltz; Warren D. | St. John's Newfoundland | | | CA |
| Merchant; Naeem | Toronto | | | CA |
| Wright; Graham A. | Toronto | | | CA |

US-CL-CURRENT: 600/419; 324/306

| | | | | | | | | | | | | | |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|--|--|------------------------|-------------------------|----------------------------|-----------------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | R&M | Drawn Desc | Image |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|--|--|------------------------|-------------------------|----------------------------|-----------------------|

 19. Document ID: US 5910728 A

L11: Entry 19 of 21

File: USPT

Jun 8, 1999

US-PAT-NO: 5910728

DOCUMENT-IDENTIFIER: US 5910728 A

TITLE: Simultaneous acquisition of spatial harmonics (SMASH): ultra-fast imaging with radiofrequency coil arrays

DATE-ISSUED: June 8, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------|-----------|-------|----------|---------|
| Sodickson; Daniel Kevin | Cambridge | MA | | |

US-CL-CURRENT: 324/309

| | | | | | | | | | | | | | |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|--|--|------------------------|-------------------------|----------------------------|-----------------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | R&M | Drawn Desc | Image |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|--|--|------------------------|-------------------------|----------------------------|-----------------------|

 20. Document ID: US 5500592 A

L11: Entry 20 of 21

File: USPT

Mar 19, 1996

US-PAT-NO: 5500592

DOCUMENT-IDENTIFIER: US 5500592 A

TITLE: Absolute metabolite concentrations from poorly spatially-resolved MR response signals

DATE-ISSUED: March 19, 1996

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------|------|-------|----------|---------|
|------|------|-------|----------|---------|

Bottomley; Paul A.

Columbia

MD

US-CL-CURRENT: 324/307; 324/308; 324/309

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | ROIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-----------|-------|

□ 21. Document ID: US 5374889 A

L11: Entry 21 of 21

File: USPT

Dec 20, 1994

US-PAT-NO: 5374889

DOCUMENT-IDENTIFIER: US 5374889 A

TITLE: Magnetic resonance measurement

DATE-ISSUED: December 20, 1994

INVENTOR-INFORMATION:

| | | | | |
|--------------------|------------|-------|----------|---------|
| NAME | CITY | STATE | ZIP CODE | COUNTRY |
| Leach; Martin O. | Wallington | | | GB |
| Sharp; Jonathan C. | Leicester | | | GB |

US-CL-CURRENT: 324/309; 324/307

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | ROIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-----------|-------|

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

| Term | Documents |
|---|-----------|
| TARGET | 963286 |
| TARGETS | 179359 |
| REGION | 2213147 |
| REGIONS | 1053846 |
| AREA | 4240513 |
| AREAS | 1587538 |
| ZONE | 937938 |
| ZONES | 358205 |
| VOLUME | 1863086 |
| VOL | 996675 |
| INTEREST | 682906 |
| (L10 AND ((TARGET OR REGION OR AREA OR ZONE OR VOLUME) WITH (INTEREST OR INVESTIGATION) OR "ROI" OR "VOI" OR "FOV" OR "FIELD-OF-VIEW" OR "FIELD OF VIEW")) .PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 21 |

[There are more results than shown above. Click here to view the entire set.](#)

Hit List

[First Hit](#) [Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#) [Generate OACS](#)

Search Results - Record(s) 1 through 7 of 7 returned.

1. Document ID: US 20050100202 A1

L14: Entry 1 of 7

File: PGPB

May 12, 2005

PGPUB-DOCUMENT-NUMBER: 20050100202

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050100202 A1

TITLE: Method for generating fast magnetic resonance images

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

| | | | |
|-------------|-------------|-------|---------|
| NAME | CITY | STATE | COUNTRY |
| Huang, Feng | Gainesville | FL | US |

US-CL-CURRENT: 382/128

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn Desc](#) [Image](#)

2. Document ID: US 20050033154 A1

L14: Entry 2 of 7

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050033154

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050033154 A1

TITLE: Methods for measurement of magnetic resonance signal perturbations

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

| | | | |
|-------------------------------|---------|-------|---------|
| NAME | CITY | STATE | COUNTRY |
| deCharms, Richard Christopher | Montara | CA | US |

US-CL-CURRENT: 600/410

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn Desc](#) [Image](#)

3. Document ID: US 20040070394 A1

L14: Entry 3 of 7

File: PGPB

Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040070394

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040070394 A1

TITLE: Parallel mr imaging using high-precision coil sensitivity map

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|----------------------------------|----------|-------|---------|
| Gonzalez Ballester, Miguel Angel | Nice | | FR |
| Machida, Yoshio | Nasu-Gun | | JP |

US-CL-CURRENT: 324/307; 324/309

| | | | | | | | | | | | | | |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|------------------------|----------------------|---------------------------|-----------------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KOMC | Draw Desc | Image |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|------------------------|----------------------|---------------------------|-----------------------|

□ 4. Document ID: US 7202663 B2

L14: Entry 4 of 7

File: USPT

Apr 10, 2007

US-PAT-NO: 7202663

DOCUMENT-IDENTIFIER: US 7202663 B2

TITLE: Method for generating fast magnetic resonance images

DATE-ISSUED: April 10, 2007

PRIOR-PUBLICATION:

| DOC-ID | DATE |
|-------------------|--------------|
| US 20050100202 A1 | May 12, 2005 |

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------|-------------|-------|----------|---------|
| Huang; Feng | Gainesville | FL | | US |

US-CL-CURRENT: 324/307; 324/309

| | | | | | | | | | | | | | |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|------------------------|----------------------|---------------------------|-----------------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KOMC | Draw Desc | Image |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|------------------------|----------------------|---------------------------|-----------------------|

□ 5. Document ID: US 6949928 B2

L14: Entry 5 of 7

File: USPT

Sep 27, 2005

US-PAT-NO: 6949928

DOCUMENT-IDENTIFIER: US 6949928 B2

TITLE: Parallel MR imaging using high-precision coil sensitivity map

DATE-ISSUED: September 27, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------------------|---------|-------|----------|---------|
| Gonzalez Ballester; Miguel Angel | Nice | | | FR |
| Machida; Yoshio | Tochigi | | | JP |

US-CL-CURRENT: 324/307; 324/309, 324/318

| | | | | | | | | | | | |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|------------------------|----------------------|---------------------------|-----------------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KOMC | Draw Desc | Image |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|------------------------|----------------------|---------------------------|-----------------------|

6. Document ID: US 6289232 B1

L14: Entry 6 of 7

File: USPT

Sep 11, 2001

US-PAT-NO: 6289232

DOCUMENT-IDENTIFIER: US 6289232 B1

TITLE: Coil array autocalibration MR imaging

DATE-ISSUED: September 11, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|-------------------|-------|----------|---------|
| Jakob; Peter M. | Brookline Village | MA | | |
| Sodickson; Daniel K. | Cambridge | MA | | |
| Griswold; Mark | Brookline | MA | | |

US-CL-CURRENT: 600/410; 324/307, 324/309, 324/318, 324/322, 600/422

| | | | | | | | | | | | |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|------------------------|----------------------|---------------------------|-----------------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KOMC | Draw Desc | Image |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|------------------------|----------------------|---------------------------|-----------------------|

7. Document ID: US 5910728 A

L14: Entry 7 of 7

File: USPT

Jun 8, 1999

US-PAT-NO: 5910728

DOCUMENT-IDENTIFIER: US 5910728 A

TITLE: Simultaneous acquisition of spatial harmonics (SMASH): ultra-fast imaging with radiofrequency coil arrays

DATE-ISSUED: June 8, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------|-----------|-------|----------|---------|
| Sodickson; Daniel Kevin | Cambridge | MA | | |

US-CL-CURRENT: 324/309

| | | | | | | | | | | | |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|------------------------|----------------------|---------------------------|-----------------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KOMC | Draw Desc | Image |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|------------------------|----------------------|---------------------------|-----------------------|

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

| Term | Documents |
|--------------|-----------|
| AUTOMATIC\$4 | 0 |
| AUTOMATIC | 1711617 |
| AUTOMATICA | 5487 |

| | |
|--|----|
| AUTOMATICAAI | 1 |
| AUTOMATICAAALY | 14 |
| AUTOMATICAAAY | 49 |
| AUTOMATICAB | 8 |
| AUTOMATICABIR | 1 |
| AUTOMATICABIY | 1 |
| AUTOMATICABLE | 2 |
| AUTOMATICABLY | 7 |
| (L12 AND (AUTOMATIC\$4)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 7 |

[There are more results than shown above. Click here to view the entire set.](#)

Display Format:

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

Hit List

[First Hit](#) [Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)**Search Results - Record(s) 1 through 4 of 4 returned.** 1. Document ID: US 20050033154 A1

L15: Entry 1 of 4

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050033154

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050033154 A1

TITLE: Methods for measurement of magnetic resonance signal perturbations

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

NAME

deCharms, Richard Christopher

CITY

Montara

STATE

CA

COUNTRY

US

US-CL-CURRENT: 600/410[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KOMC](#) [Drawn Desc](#) [Image](#) 2. Document ID: US 20040070394 A1

L15: Entry 2 of 4

File: PGPB

Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040070394

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040070394 A1

TITLE: Parallel mr imaging using high-precision coil sensitivity map

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME

Gonzalez Ballester, Miguel Angel

Machida, Yoshio

CITY

Nice

STATE

FR

COUNTRY

JP

US-CL-CURRENT: 324/307; 324/309[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KOMC](#) [Drawn Desc](#) [Image](#) 3. Document ID: US 6949928 B2

L15: Entry 3 of 4

File: USPT

Sep 27, 2005

US-PAT-NO: 6949928

Record List Display

DOCUMENT-IDENTIFIER: US 6949928 B2

TITLE: Parallel MR imaging using coil sensitivity map

DATE-ISSUED: September 27, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------------------|---------|-------|----------|---------|
| Gonzalez Ballester; Miguel Angel | Nice | | | FR |
| Machida; Yoshio | Tochigi | | | JP |

US-CL-CURRENT: 324/307; 324/309, 324/318
[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Search](#) [Search](#) [Claims](#) [KOMC](#) [Draw Desc](#) [Image](#)
 4. Document ID: US 6289232 B1

L15: Entry 4 of 4

File: USPT

Sep 11, 2001

US-PAT-NO: 6289232

DOCUMENT-IDENTIFIER: US 6289232 B1

TITLE: Coil array autocalibration MR imaging

DATE-ISSUED: September 11, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|-------------------|-------|----------|---------|
| Jakob; Peter M. | Brookline Village | MA | | |
| Sodickson; Daniel K. | Cambridge | MA | | |
| Griswold; Mark | Brookline | MA | | |

US-CL-CURRENT: 600/410; 324/307, 324/309, 324/318, 324/322, 600/422
[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Search](#) [Search](#) [Claims](#) [KOMC](#) [Draw Desc](#) [Image](#)
[Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#) [Generate OACS](#)

| Term | Documents |
|---------------|-----------|
| OPTIMUM | 856899 |
| OPTIMUMS | 826 |
| OPTIMIZATION | 167103 |
| OPTIMISATION | 13397 |
| OPTIMISATIONS | 469 |
| OPTIMIZATIONS | 12282 |
| IDEAL | 344390 |
| IDEALS | 636 |
| IDEALLY | 234959 |

| | |
|---|---|
| IDEALLIES | 0 |
| IDEALLYS | 0 |
| (L12 AND ((AUTOMATIC\$4) SAME (OPTIMUM OR OPTIMIZ\$3 OR OPTIMIZATION OR IDEAL OR IDEALLY OR OPTIMAL\$2))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 4 |

There are more results than shown above. [Click here to view the entire set.](#)

Display Format:

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)